



UNIVERSITÀ DEGLI STUDI DI SASSARI
DIPARTIMENTO DI AGRARIA



A.D. MDLXII

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Bachelor programmes



GENERAL INFORMATION	
	Da aggiungere

Bachelor's Degree Programme

- AGRICULTURAL SCIENCES AND TECHNOLOGIES (open access)
- AGRO-ZOOTECNICAL SCIENCES (open access)
- FORESTRY AND ENVIRONMENTAL SCIENCES (open access)
- VITICULTURAL, OENOLOGICAL AND FOOD TECHNOLOGIES (locally planned access)

Master's Degree Programme

- AGRICULTURAL SYSTEMS (open access)
- ANIMAL PRODUCTION SCIENCES (open access)
- FOREST AND ENVIRONMENTAL SYSTEMS (open access)



AGRICULTURAL SCIENCES AND TECHNOLOGIES

1st year				
Code	Title	ECTS	semester	
	AGRICULTURAL GENETICS	6	winter	Compulsory
	CAD DESIGN FOR AGRICULTURAL ENGINEERING	6		Elective Course
	ENGLISH I	5	spring	Compulsory
	GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR APPLIED HYDROLOGY	3		Elective Course
	MATHEMATICS WITH ELEMENTS OF STATISTICS	8	winter	Compulsory
	GENERAL AND INORGANIC CHEMISTRY	8	spring	Compulsory
	MYCOLOGY	6		Compulsory
	OTHER TRAINING ACTIVITIES	6		Compulsory
	PHYSICS	6	winter	Compulsory
	PLANT BIOLOGY	10	spring	Compulsory
				Compulsory
2nd year				
	AGRICULTURAL BIOCHEMISTRY	7	spring	Compulsory
	AGRICULTURAL ECONOMICS	7	winter	
	AGRICULTURAL HYDRAULICS	6	winter	Compulsory
	AGRICULTURAL MICROBIOLOGY	6	spring	Compulsory
	ANIMAL SCIENCE	8	winter	
	ENGLISH II	5	winter	Compulsory
	RURAL BUILDINGS AND TOPOGRAPHY	8	spring	Compulsory
3rd year				
	AGRICULTURAL MACHINERY AND PLANTS	6	winter	Compulsory
	AGRONOMY AND HERBACEOUS CROPS I	10	spring	
	FINAL TEST	10		Compulsory
	GENERAL PLANT PATHOLOGY AND ENTOMOLOGY	8	winter	Compulsory
	PRACTICAL TRAINING APPLICATION	15		
	RURAL APPRAISAL	8	spring	Compulsory
	SOIL CHEMISTRY	7	winter	Compulsory
	TREE CROPS	8	spring	

AGRO-ZOOTECHNICAL SCIENCES

1st year				
Code	Title	ECTS	semester	
	ANATOMY, PHYSIOLOGY AND MORPHOLOGY OF DOMESTIC ANIMALS	7	winter	Compulsory
	ENGLISH I	5	spring	Compulsory
	FISHERIES ECONOMICS AND MANAGEMENT IN THE MEDITERRANEAN SEA	6	spring	Elective Course
	GENERAL AND INORGANIC CHEMISTRY	8	spring	Compulsory
	MATHEMATICS WITH ELEMENTS OF STATISTICS	8	winter	Compulsory
	OTHER TRAINING ACTIVITIES	2	spring	Compulsory
	PHYSICS	6	winter	Compulsory
	PLANT BIOLOGY	8	spring	Compulsory
2nd year				
	AGRICULTURAL BIOCHEMISTRY	7	winter	Compulsory
	AGRICULTURAL ECONOMICS	6	spring	
	AGRICULTURAL GENETICS	6	winter	Compulsory
	AGRONOMY	7	spring	Compulsory
	ANIMAL BREEDING	7	spring	Compulsory
	ANIMAL NUTRITION AND FEEDING	7	spring	
	ENGLISH II	5	winter	Compulsory
	MICROBIOLOGY OF ZOOTECHNICAL PRODUCTS		winter	
3rd year				
	ACQUACOLTURA ED ALLEVAMENTI AVI-CUNICOLI	8	winter	Compulsory
	AGRICULTURAL-ZOOTECHNICAL BUILDINGS	7	winter	
	ANIMAL HUSBANDRY I (RUMINANTS)	7	winter	Compulsory
	ANIMAL HUSBANDRY II (SWINE)	6	spring	Compulsory
	HERBACEOUS CROPS	7	spring	
	MECHANIZATION OF CROP AND LIVESTOCK FARMS	7	spring	Compulsory
	RURAL APPRAISAL	6	winter	Compulsory
	PRACTICAL TRAINING APPLICATION	15		
	FINAL TEST	10		



FORESTRY AND ENVIRONMENTAL SCIENCES

1st year				
Code	Title	ECTS	semester	
	CAD DESIGN FOR FORESTRY ENGINEERING	6		Optional
	DEFENSE AGAINST FOREST FIRES	6	winter	Optional
	ENGLISH I	5	winter	Compulsory
	FORESTRY BEEKEEPING	3		Optional
	GENERAL AND INORGANIC CHEMISTRY	8	winter	Compulsory
	MATHEMATICS	7	winter	Compulsory
	MYCOLOGY	6		Optional
	ORGANIC CHEMISTRY AND AGRICULTURAL BIOCHEMISTRY	6	spring	Compulsory
	PHYSICS APPLIED TO FOREST SCIENCE	6	winter	Compulsory
	PLANT BIOLOGY	12	spring	Compulsory
	PRINCIPI DI ECOLOGIA E BOTANICA FORESTALE	10	spring	Compulsory
2nd year				
	ECONOMICS AND FOREST APPRAISAL	10	spring	Compulsory
	ENGLISH II	5	spring	Compulsory
	FOREST AND ENVIRONMENTAL MICROBIOLOGY	6	spring	Compulsory
	FOREST ZOOLOGY AND ANIMAL HUSBANDRY	12	spring	Compulsory
	GENETICS OF FOREST SYSTEMS	6	winter	Compulsory
	SILVICULTURE	10	spring	Compulsory
	SOIL CHEMISTRY	6	spring	Compulsory
	SOIL SCIENCES	6	winter	Compulsory
3rd year				
	AGRONOMY AND HERBACEOUS CROPS	6	spring	Compulsory
	FOREST INVENTORIES	6	winter	Compulsory
	FOREST MENSURATION	6	winter	Compulsory
	FOREST PLANT PATHOLOGY	6	spring	Compulsory
	HYDRAULICS AND HYDRAULIC-FORESTRY ARRANGEMENTS	6	spring	Compulsory
	TOPOGRAPHY AND CARTOGRAPHY AND FOREST BUILDINGS	8	winter	Compulsory
	FINAL TEST	5		Compulsory
	PRACTICAL TRAINING APPLICATION	10		Compulsory

VITICULTURAL, OENOLOGICAL AND FOOD TECHNOLOGIES – TECNOLOGIE ALIMENTARI

1st year				
Code	Title	ECTS	semester	
	BEEKEEPING AND PRODUCTS OF THE HIVE	6	winter	Optional
	ECONOMICS AND MARKETING OF FOOD MARKETS	8	winter	Compulsory
	ENGLISH I	5	spring	Compulsory
	FOOD BIOCHEMISTRY	6	spring	Optional
	FOOD BIOTECHNOLOGY	6	spring	Optional
	FOODPRINT (STIMARE E COMUNICARE IL COSTO AMBIENTALE DELLE PRODUZIONI ALIMENTARI)	6	spring	
	GENERAL AND INORGANIC CHEMISTRY	8	winter	Compulsory
	GENETICS AND BREEDING OF V. VINIFERA	6	spring	Optional
	MATHEMATICAL MODELING FOR ALIMENTARY TECHNOLOGIES	8	winter	Compulsory
	MONITORING OF THE BIOTIC ADVERSITY	6	spring	
	ORGANIC CHEMISTRY AND AGRICULTURAL BIOCHEMISTRY	10	winter	Compulsory
	OTHER TRAINING ACTIVITIES	3		Compulsory
	PHYSICS	6	winter	Compulsory
	PLANT BIOLOGY	8	spring	Compulsory
	VITICULTURE PRACTICALS	6	Spring	Optional
2nd year				
	ANALYTICAL CHEMISTRY	6	spring	Compulsory
	ENGLISH II	5	winter	Compulsory
	ENTOMOLOGIA MERCEOLOGICA E MICOTOSSINE	11	spring	
	INDUSTRIAL TECHNICAL PHYSICS	6	winter	Compulsory
	MICROBIOLOGY AND GENETICS OF MICROORGANISMS	7	spring	Compulsory
	UNIT OPERATIONS	6	spring	Compulsory
	VEGETABLE PRODUCTIONS	10	winter	Compulsory
3rd year				
	ANIMAL PRODUCTION	6	winter	Compulsory
	EDIFICI PER L' INDUSTRIA AGRO-ALIMENTARE	4	spring	Compulsory
	FOOD CHEMICAL ANALYSIS	6	spring	Compulsory
	FOOD HYGIENE	6	winter	Compulsory
	FOOD MICROBIOLOGY	6	winter	Compulsory
	FOOD TECHNOLOGY PROCESSES	8	winter	Compulsory
	MACHINERY AND PLANTS FOR THE FOOD INDUSTRY	6	spring	
	PRACTICAL TRAINING APPLICATION	14		Compulsory
	FINAL TEST	10		Compulsory



VITICULTURAL, OENOLOGICAL AND FOOD TECHNOLOGIES – VITICOLTURA ED ENOLOGIA

1 st year				
Code	Title	ECTS	semester	
	BEEKEEPING AND PRODUCTS OF THE HIVE	6	winter	Optional
	ECONOMICS AND MARKETING OF FOOD MARKETS	8	winter	Compulsory
	ENGLISH I	5	spring	Compulsory
	FOOD BIOCHEMISTRY	6	spring	Optional
	FOOD BIOTECHNOLOGY	6	spring	Optional
	FOODPRINT (STIMARE E COMUNICARE IL COSTO AMBIENTALE DELLE PRODUZIONI ALIMENTARI)	6	spring	
	GENERAL AND INORGANIC CHEMISTRY	8	winter	Compulsory
	GENETICS AND BREEDING OF V. VINIFERA	6	spring	Optional
	MATHEMATICAL MODELING FOR ALIMENTARY TECHNOLOGIES	8	winter	Compulsory
	MONITORING OF THE BIOTIC ADVERSITY	6	spring	
	ORGANIC CHEMISTRY AND AGRICULTURAL BIOCHEMISTRY	10	winter	Compulsory
	OTHER TRAINING ACTIVITIES	3		Compulsory
	PHYSICS	6	winter	Compulsory
	PLANT BIOLOGY	8	spring	Compulsory
	VITICULTURE PRACTICALS	6	Spring	Optional
	ANALYTICAL CHEMISTRY	6	winter	Compulsory
2nd year				
	ENGLISH II	5	spring	Compulsory
	ENOLGY I	6	winter	Compulsory
	OENOLOGICAL CHEMISTRY AND LABORATORY ANALYSES	6	spring	Compulsory
	GENERAL MICROBIOLOGY	7	winter	Compulsory
	INSTITUTES OF VITICULTURE	8	spring	Compulsory
	SOIL CHEMISTRY	4	winter	Compulsory
	VITICULTURAL MECHANIZATION AND WINE MAKING PLANT	8	winter	Compulsory
3rd year				
	BUILDINGS FOR THE WINERY INDUSTRY	4	winter	Compulsory
	ENOLGY II	7	spring	Compulsory
	VITICULTURAL ENTOMOLOGY	7	spring	Compulsory
	VITICULTURAL PATHOLOGY	8	winter	Compulsory
	VITICULTURAL TECHNIQUES	6	winter	Compulsory
	WINE MICROBIOLOGY	9	spring	Compulsory
	PRACTICAL TRAINING APPLICATION	14		Compulsory
	FINAL TEST	5		Compulsory

AGRICULTURAL SYSTEMS – AGRICOLTURA DI PRECISIONE

1st year				
Code	Title	ECTS	semester	
	AGRICULTURAL POLICY	6	spring	Compulsory
	BIODIVERSITY STUDIES BY APPLICATIONS OF GENOME ANALYSES	3	spring	
	ENERGY APPLIED TO RURAL SYSTEMS	6	winter	Compulsory
	FLORICULTURE	3	spring	
	FOOD TECHNOLOGY PROCESSES	7	winter	Compulsory
	HERBACEOUS CROPS II	7	spring	Compulsory
	MEDITERRANEAN TREE CROPS	6	spring	Compulsory
	OTHER ACTIVITIES	3		Optional
	PLANT PATHOLOGY	6	winter	Compulsory
	PLANT TISSUE CULTIVATIONS	7	spring	
	SOIL SCIENCES AND TECHNIQUES OF LAND EVALUATION	7	winter	Compulsory
	TECHNICAL ENGLISH	5	spring	Compulsory
2nd year				
	ANIMAL HUSBANDRY	7	winter	Optional
	CROPPING SYSTEM DESIGN	7		Compulsory
	IDROLOGIA DEL SUOLO E TECNICA IRRIGUA	7		Optional
	MODELLI MATEMATICI E STATISTICI PER L'AGRICOLTURA E LA ZOOTECNICA DI PRECISIONE	7		Optional
	TECNICHE DIGITALI DI PIANIFICAZIONE DEL PAESAGGIO RURALE	7		Optional
	POLLUTION AND CONTROL OF THE AGRICULTURAL ENVIRONMENT	7		Optional
	TECNOLOGIE AVANZATE NELLA DIFESA FITOSANITARIA	7		Optional
	TECNOLOGIE PER L'AGRICOLTURA DI PRECISIONE	7		Optional
	FINAL TEST	25		Compulsory



AGRICULTURAL SYSTEMS – INTEGRATED DEFENSE

1st year				
Code	Title	ECTS	semester	
	AGRICULTURAL POLICY	6	spring	Compulsory
	BIODIVERSITY STUDIES BY APPLICATIONS OF GENOME ANALYSES	3	spring	
	ENERGY APPLIED TO RURAL SYSTEMS	6	winter	Compulsory
	FLORICULTURE	3	spring	
	FOOD TECHNOLOGY PROCESSES	7	winter	Compulsory
	HERBACEOUS CROPS II	7	spring	Compulsory
	MEDITERRANEAN TREE CROPS	6	spring	Compulsory
	OTHER ACTIVITIES	3		Optional
	PLANT PATHOLOGY	6	winter	Compulsory
	PLANT TISSUE CULTIVATIONS	7	spring	
	SOIL SCIENCES AND TECHNIQUES OF LAND EVALUATION	7	winter	Compulsory
	TECHNICAL ENGLISH	5	spring	Compulsory
2nd year				
	ANIMAL PARASITOLOGY OF PLANTS	7	spring	Optional
	ECOSUSTAINABLE DEFENCE AGAINST INSECTS	7	winter	Compulsory
	GENETIC IMPROVEMENT OF GROWN PLANTS	7	winter	Optional
	HEALTH IMPROVEMENT AND PLANT CERTIFICATION	7	spring	Optional
	HORTICULTURE AND GREENHOUSE CULTURE	7	winter	Optional
	INTEGRATED DEFENCE AGAINST PATHOGENS	7	spring	Optional
	TREE SYSTEMS	7	spring	Optional
	FINAL TEST	25		Compulsory

AIMAL PRODUCTION SCIENCE

1st year				
Code	Title	ECTS	semester	
	ANIMAL PATHOPHYSIOLOGY AND FARM HYGIENE	8	winter	Compulsory
	ECONOMICS OF AGRO-ZOOTECHNICS	6	winter	Compulsory
	FEEDING AND HUSBANDRY TECHNIQUES FOR PRODUCTS QUALITY	12	winter	Compulsory
	FORAGE SYSTEMS	6	spring	Compulsory
	GENETICS APPLIED TO LIVESTOCK PRODUCTIONS	6	winter	Compulsory
	MATHEMATICAL AND STATISTICAL MODELS FOR ANIMAL SCIENCE	6	spring	Compulsory
	NUTRITION AND FEEDING OF THE CAT AND THE DOG	6		Elective Course
	RIPRODUZIONE ANIMALE	6		Elective Course
	TECHNICAL ENGLISH	5	spring	Compulsory
	TECNICA AGRONOMICA DELL'IRRIGAZIONE	6		Elective Course
2 nd year				
	FINAL TEST	20		Compulsory
	FOOD TECHNOLOGY PROCESSES	6	winter	Compulsory
	HORSE BREEDING	6	spring	Compulsory
	LIVESTOCK BUILDINGS DESIGN	6	spring	Compulsory
	OTHER TRAINING ACTIVITIES	5		Compulsory
	ZOOTECHNIC ENTOMOLOGY AND PLANT PATHOLOGY	10	winter	Compulsory
	ZOOTECHNICAL LIQUID WASTE IMPACT IN THE AGRICULTURAL ENVIRONMENT	6	spring	Compulsory



FOREST AND ENVIRONMENTAL SYSTEMS - PRODUZIONI SOSTENIBILI

Code	Title	ECTS	semester	
	ECONOMIC EVALUATION OF ENVIRONMENTAL IMPACT	6	winter	
	FORESTRY MECHANIZATION	6	winter	
	GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR APPLIED HYDROLOGY	3	spring	Optional
	GEOLOGIA AMBIENTALE	6	winter	
	MICROBIOLOGICAL MONITORING AND FORESTRY AND ENVIRONMENTAL ECO-CERTIFICATION	6	winter	Optional
	MONITORING AND SAFEGUARD OF FOREST SYSTEMS HEALTH STATE	12	winter	
	OTHER TRAINING ACTIVITIES	5	Compulsory	
	RURAL LANDSCAPE PLANNING	8	winter	
	TECHNIQUES OF ENVIRONMENTAL IMPACT ASSESSMENT	6	spring	Optional
	TECHNIQUES OF LAND EVALUATION	7	spring	
2nd year				
	FINAL TEST	5	Compulsory	
	PIANTE OFFICINALI E FRUTTICOLTURA MONTANA	6	winter	
	ARBORICOLTURA DEL LEGNO E BIOMASSA	6	winter	
	PRODUZIONI FORESTALI MINORI	8	Spring	
	SISTEMI FORAGGERI E ZOOTECNICI	12	spring	
	TECHNICAL ENGLISH	5	winter	
	TECNICHE VIVAISTICHE	6	winter	

FOREST AND ENVIRONMENTAL SYSTEMS - PROGETTAZIONE E GESTIONE SOSTENIBILE

Code	Title	ECTS	semester	
	ECONOMIC EVALUATION OF ENVIRONMENTAL IMPACT	6	winter	
	FORESTRY MECHANIZATION	6	winter	
	GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR APPLIED HYDROLOGY	3	spring	Optional
	GEOLOGIA AMBIENTALE	6	winter	
	MICROBIOLOGICAL MONITORING AND FORESTRY AND ENVIRONMENTAL ECO-CERTIFICATION	6	winter	Optional
	MONITORING AND SAFEGUARD OF FOREST SYSTEMS HEALTH STATE	12	winter	
	OTHER TRAINING ACTIVITIES	5	Compulsory	
	RURAL LANDSCAPE PLANNING	8	winter	
	TECHNIQUES OF ENVIRONMENTAL IMPACT ASSESSMENT	6	spring	Optional
	TECHNIQUES OF LAND EVALUATION	7	spring	
2nd year				
	DESIGN AND MANAGEMENT OF URBAN AND PERIURBAN GREEN	6	winter	
	ECOPHYSIOLOGY OF TREE SYSTEMS	7		
	FINAL TEST	5	Compulsory	
	FOREST PLANNING AND MANAGEMENT	7		
	SISTEMI FORAGGERI E ZOOTECNICI	12		
	TECHNICAL ENGLISH	5		
	WOOD TECHNOLOGY AND FOREST UTILIZATIONS	6		



FOREST AND ENVIRONMENTAL SYSTEMS - PROTEZIONE CIVILE

1st year			
Code	Title	ECTS	semester
	ECONOMIC EVALUATION OF ENVIRONMENTAL IMPACT	6	winter
	FORESTRY MECHANIZATION	6	winter
	GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR APPLIED HYDROLOGY	3	spring
	GEOLOGIA AMBIENTALE	6	winter
	MICROBIOLOGICAL MONITORING AND FORESTRY AND ENVIRONMENTAL ECO-CERTIFICATION	6	winter
	MONITORING AND SAFEGUARD OF FOREST SYSTEMS HEALTH STATE	12	winter
	OTHER TRAINING ACTIVITIES	5	Compulsory
	RURAL LANDSCAPE PLANNING	8	winter
	TECHNIQUES OF ENVIRONMENTAL IMPACT ASSESSMENT	6	spring
	TECHNIQUES OF LAND EVALUATION	7	spring
	AGROMETEOROLOGIA, ANALISI E MONITORAGGIO DEL CAMBIAMENTO CLIMATICO	7	winter
2nd year			
	FINAL TEST	5	Compulsory
	GESTIONE E VALUTAZIONE DEL RISCHIO AMBIENTALE	13	
	PREVENZIONE E CONTROLLO DEGLI INCENDI BOSCHIVI	6	
	SISTEMI DI TELECOMUNICAZIONE PER LA PROTEZIONE CIVILE	6	
	TECHNICAL ENGLISH	5	
	TECNICHE DI PROTEZIONE CIVILE	6	